

**CALIFORNIA ENERGY COMMISSION**

DIVISION OF FINANCIAL SERVICES

GRANTS &amp; LOANS

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**NOTICE OF PROPOSED AWARDS****American Recovery and Reinvestment Act of 2009 Cost Share****PON-08-011****(DE-FOA 0000015, 0000058, 0000065, 0000092, 0000099, 0000109, 0000122)****April 15, 2010**

On June 18, 2009 the California Energy Commission (Energy Commission) released a Program Opportunity Notice (PON) and Grant Solicitation and Application Package PON-08-011 entitled “American Recovery and Reinvestment Act (ARRA) of 2009 Cost Share” under the Public Interest Energy Research (PIER) Program. The solicitation announced that the Energy Commission plans to allocate up to \$21 million of electricity funds for Cost Share. The grant solicitation was released to offer cost share funding to those applying and receiving ARRA grant funding from the federal government under one or more of the following federal opportunity announcements (herein collectively referred to as FOAs):

- FOA 0000015: Carbon Capture and Sequestration from Industrial Sources and Innovative Concepts for Beneficial Carbon Dioxide Use
- FOA 0000058: Smart Grid Investment Grant Program
- FOA 0000065: Advanced Research Projects – Energy (ARPA-E)
- FOA 0000092: Enhanced Geothermal Systems Demonstration
- FOA 0000099: Building America Energy Efficient Housing
- FOA 0000109: Geothermal Technologies Program
- FOA 0000122: Community Renewable Energy Deployment

In accordance with the grant solicitation and application package, each proposal was screened for completeness and reviewed by the Energy Commission staff. The letters of intent for cost share were issued to the successful pre-applicants, who were directed to submit final applications to the Energy Commission. The Energy Commission’s Technical Advisory Committee (TAC) reviewed, evaluated, and scored final applications, using the criteria prescribed in the application package, including requirement of receiving ARRA award from the federal government. Based on the TAC’s scores and directions from the RD&D Committee, the proposed matching funding is recommended for the FOAs.

The attached table “Notice of Proposed Awards and Results of Submitted Proposals” identifies applicants selected to receive funding, the project title, the amount of recommended funding by the RD&D Committee, and scoring information. Under Score Status, applicants who did not receive ARRA funding from the federal government, did not meet the requirements of an eligible project or did not receive a passing score are shown as “not awarded”.

For applicants that did not pass this PON, but subsequently received ARRA funding from DOE, the Energy Commission released a new PON in December to provide a second chance to interested parties. The new PON (PON-09-002) is posted on the Energy Commission Web Site: <http://www.energy.ca.gov/contracts/index.html>

If the applicant receives ARRA funding from the federal government, the Energy Commission's cost share is contingent upon the approval of the requested funding during a Commission Business Meeting. This notice is being mailed to all parties who submitted a proposal to this solicitation and is also posted on the Energy Commission Web Site: <http://www.energy.ca.gov/contracts/index.html>

Persons wishing further information about this matter may contact Pedro Gomez at (916) 653-4278 or by email [pgomez@energy.state.ca.us](mailto:pgomez@energy.state.ca.us).



# California Energy Commission

## Public Interest Energy Research Program (PIER)

### Notice of Proposal Awards and Results of Submitted Proposals

### Solicitation PON-08-011\*\*



DE-FOA 0000015, 0000058, 0000065, 0000092, 0000099, 0000109, 0000122

American Recovery and Reinvestment Act of 2009 Cost Share

#### FOA 0000015: Carbon Capture and Sequestration from Industrial Sources and Innovative Concepts

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status*
3	*** Calera Corporation	Carbon Mineralization by Aqueous Precipitation for Beneficial Use of CO2 from Flue Gas	\$300,000	\$300,000	\$3,062,754	<b>Awarded</b>

#### FOA 0000058: Smart Grid Investment Grant Program

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status*
1	**** Electric Power Group, LLC.	SynchroPhasor Technology Investments and Implementation	\$1,000,000	\$1,000,000	\$31,900,000	<b>Awarded</b>

#### FOA 0000065: Advanced Research Projects - Energy (ARPA-E)

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status*
1	***** Porifera, Inc.	Carbon Nanotube Membranes for Energy-Efficient Carbon Sequestration	\$110,000	\$115,397	\$1,080,000	<b>Awarded</b>

#### FOA 0000092: Enhanced Geothermal Systems Demonstration

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status*
1	Calpine Corporation	Buckeye-Alder Creek	\$250,000	\$0	\$17,528,549	<b>Not Awarded</b>
2	Calpine Corporation	Shallow Low Rate Injection	\$250,000	\$0	\$7,969,762	<b>Not Awarded</b>
3	Calpine Corporation	Whildhorse-Binkley	\$250,000	\$0	\$14,444,527	<b>Not Awarded</b>

Total Funds Recommended			\$750,000	\$0	\$39,942,838	
FOA 0000099: Building America Energy Efficient Housing						
Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status
1	Build It Green	Retrofit California	\$200,000	\$0	\$10,000,000	Not Awarded
Total Funds Recommended			\$200,000	\$0	\$10,000,000	

<b>FOA 0000109: Geothermal Technologies Program</b>						
Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status
1	Calpine Corporation	East Ford Flat Exploration Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
2	Calpine Corporation	Rorabaugh Exploration and Confirmation Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
3	Calpine Corporation	Buckeye Exploration and Confirmation Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
4	Calpine Corporation	Wildhorse Exploration and Confirmation Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
5	Calpine Corporation	Binkley Exploration and Confirmation Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
6	Calpine Corporation	Caldwell Ranch Exploration and Confirmation Project	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
7	Bottle Rock Power, LLC	Northeast Geysers Drilling Innovations	\$410,000	\$0	\$5,000,000	<b>Not Awarded</b>
<b>Total Funds Recommended</b>		<b>\$2,870,000</b>	<b>\$0</b>	<b>\$35,000,000</b>		

<b>FOA 0000122: Community Renewable Energy Deployment</b>						
Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	DOE Funding Requested	Score Status
1	Sacramento Municipal Utility District	SMUD Community Renewable Energy Deployment	\$500,000	\$500,000	\$6,650,000	<b>Awarded</b>
2	City of Anaheim Public Utilities	Anaheim Convention Center Photovoltaic and Energy Storage	\$500,000	\$0	\$5,000,000	<b>Not Awarded</b>

<b>Total Funds Recommended</b>	<b>\$1,000,000</b>	<b>\$500,000</b>	<b>\$11,650,000</b>	
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**\*Applicants who did not receive ARRA funding from the federal government, did not meet the requirements of an eligible project or did not receive a passing score are shown as "not awarded".**

**\*\*All Pier awards identified in this NOPA are contingent on applicant receiving ARRA funds from DOE and approval of the proposed agreement at an Energy Commission Business Meeting. Actual award amounts depend on actual DOE funding amounts (Energy Commission contribution restricted to limits set in PON- 08-011 as specified by FOA#)**

**\*\*\*The "Score Status" of this project as been updated to Awarded since this project has been approved by DOE for funding. This project was originally identified in the NOPA for PON-08-011 dated December 30, 2009.**

**\*\*\*\*The funding amount for this project has been increased from \$270,000 to \$1,000,000 due to an increase in DOE Funding. This project was originally identified in the NOPA for PON-08-011 dated December 30, 2009.**

**\*\*\*\*\*The funding amount for this project has been increased from \$107,790 to \$115,397 due to an increase in DOE Funding. This project was originally identified in the NOPA for PON-08-011 dated December 30, 2009.**

Dated: April 15, 2010

Expires: April 22, 2010